

AN 90-254120 [33] WPIDS
AB WO 9008324 A UPAB: 940907

The following are claimed: (A) a pure prepn. of a polypeptide having an amino acid sequence corresp. to the nucleotide sequence of the haptoglobin related (hpr) gene, the polypeptide having the ability to stimulate the prodn. of **antibodies** in a mammal which are immunoreactive with epitopes found on the hpr gene prod. but not found on haptoglobin 1 or 2; the polypeptide may be conjugated to e.g. keyhole limpet haemocyanin (KLH); and (B) a prepn. of **antibodies** which is immunoreactive with Hpr protein but not with haptoglobin 1 or 2; (C) a pure prepn. of Hpr protein.

USE - The **antibodies** can be used to detect Hpr in tissues and fluid samples as a diagnostic marker for solid tumours, esp. breast **cancer**. Detection may be with e.g. second **antibodies** immunoreactive with the first **antibodies**, a peroxidase enzyme and a chromogenic substance which changes colour in the presence of peroxidase and H₂O₂, e.g. aminoethylcarbazole. The polypeptides and **antibodies** can also be used for immunoaffinity techniques. @(53pp Dwg.No.0/11) 0/11

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L2 13 SEA FILE=WPIDS PASTERNAK G?/AU
L3 3 SEA FILE=WPIDS KUHAJDA F?/AU
L4 2 SEA FILE=WPIDS L2 AND L3
L5 3 SEA FILE=WPIDS (L2 OR L3) AND (CANCER? OR CARCIN? OR TUM?
OR NEOPLAS? OR ANTINEOPLAS? OR ANTICANCER? OR ANTITUM? O
R ANTICARCIN?)
L6 2 SEA FILE=WPIDS L4 AND (CANCER? OR CARCIN? OR TUM? OR NEOPLAS?
OR ANTINEOPLAS? OR ANTICANCER? OR ANTITUM? OR ANTICARCIN?)
L7 1 SEA FILE=WPIDS (L5 OR L6) AND ANTIBOD?

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Same ans. set FIL WPIDS, L82, prev. pg.

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AN 90-254120 [33] WPIDS
DNN N90-196920 DNC C90-110078
TI **Cancer** related haptoglobin (Hpr) and peptide(s) - used for
producing **antibodies** for detection of solid
tumours, esp. breast cancer.
DC B04 D16
IN **KUHAJDA, F P; PASTERNAK, G R; KUHAJDA, F P**
PA (UYJO) UNIV JOHNS HOPKINS; (UYJO-N) UNIV JOHNSON
CYC 31
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W: AT AU BB BG BR CA CH DE DK FI GB HU JP KP KR LK LU MC MG MW
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